

ABSTRACT

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A longitudinally pumped laser including one or more active lasing media arranged in an optical laser cavity and at least one pumping device emitting at least one pumping beam toward the at least one active lasing medium. The pumped beam or beams is coupled with the active medium. At least one of the active lasing media includes one or more non-homogeneously doped zones, and the dimension of the doped zones and/or the distribution of the dopants is chosen on the basis of the desired transverse mode of the laser cavity. Such a laser can be used as an amplifier.

REMARKS

Favorable consideration of this application, as presently amended, is respectfully requested.

The present preliminary amendment is submitted to place the above-identified application in more proper format under United States practice.

By the present preliminary amendment original Claims 1-15 are cancelled and new Claims 16-30 are presented for examination. New Claims 16-30 are deemed to be self-evident from the original disclosure, including original Claims 1-15, and thus are not deemed to raise any issues of new matter. Further, new Claims 16-30 are not believed to be more narrow in scope in any aspect than original Claims 1-15.

A new Abstract believed to be in more proper format under United States practice is also submitted herein.

The present application is believed to be in condition for a full and thorough examination on the merits. An early and favorable consideration of the present application is hereby respectfully requested.

Respectfully submitted,

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IN THE CLAIMS

Claims 1-15 (Cancelled).

Claims 16-30 (New).

IN THE ABSTRACT

(New).